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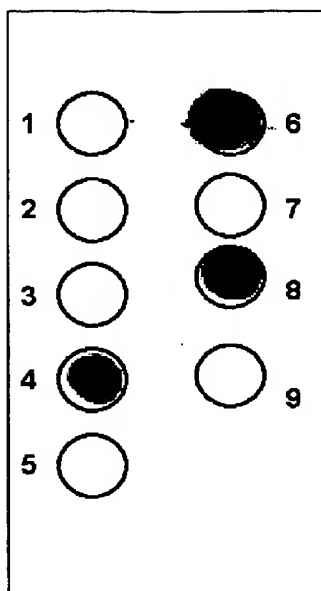
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(54) Title: POLYPEPTIDES COMPRISING THE PLECKSTRIN HOMOLOGY DOMAIN OF ECT2 AND THEIR BINDING SPECIFICITIES TO PHOSPHATIDYLINOSITOLS



- 1 Phosphatidyl choline
- 2 Phosphatidyl ethanolamine
- 3 Phosphatidyl inositol
- 4 Phosphatidyl inositol – 3 phosphate
- 5 Phosphatidyl inositol – 4 phosphate
- 6 Phosphatidyl inositol – 5 phosphate
- 7 Phosphatidyl inositol – 3,4 phosphate
- 8 Phosphatidyl inositol – 3,5 phosphate
- 9 Phosphatidyl inositol – 4,5 phosphate

(57) Abstract: The present invention relates to the specific lipid binding ability of the PH domain of Ect 2. In particular, the invention relates to an isolated DH-PH tandem domain derived from the Ect 2 sequence and having the sequence as set out in DNA sequence 1 (SEQ ID NO:1) and uses thereof as well as methods of screening for agents that modulate the cell cycle activity of Ect 2 and the interaction of the Ect 2 PH domain with a PI.

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